

## **EXHIBIT A**

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TYCO INTERNATIONAL GROUP S.A.,  
as Issuer

AND

TYCO INTERNATIONAL LTD.,  
as Guarantor

AND

THE BANK OF NEW YORK,  
as Trustee

Indenture

Dated as of June 9, 1998

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**SECTION 2.13 Securities Issuable in the Form of a Global Security.** (a) If the Issuer shall establish pursuant to Section 2.4 that the Securities of a particular series are to be issued in whole or in part in the form of one or more Global Securities, then the Issuer shall execute and the Trustee shall, in accordance with Section 2.5 and the Issuer order delivered to the Trustee thereunder, authenticate and deliver, such Global Security or Securities, which (i) shall represent, and shall be denominated in an amount equal to the aggregate principal amount of, the Outstanding Securities of such series to be represented by such Global Security or Securities, (ii) shall be registered in the name of the Depositary for such Global Security or Securities or its nominee, (iii) shall be delivered by the Trustee to the Depositary or pursuant to the Depositary's instruction and (iv) shall bear a legend substantially to the following effect: "Unless and until it is exchanged in whole or in part for the individual Securities represented hereby, this Global Security may not be transferred except as a whole by the Depositary to a nominee of the Depositary or by a nominee of the Depositary to the Depositary or another nominee of the Depositary or by the Depositary or any such nominee to a successor Depositary or a nominee of such successor Depositary."

(b) Notwithstanding any other provision of this Section 2.13 or of Section 2.9, unless the terms of a Global Security expressly permit such Global Security to be exchanged in whole or in part for individual Securities, a Global Security may be transferred, in whole but not in part and in the manner provided in Section 2.9, only to another nominee of the Depositary for such Global Security, or by the nominee of the Depositary to the Depositary, or to a successor Depositary for such Global Security selected or approved by the Issuer or to a nominee of such successor Depositary.

(c) (i) If at any time the Depositary for a Global Security notifies the Issuer that it is unwilling or unable to continue as Depositary for such Global Security or if at any time the Depositary for the Securities for such series shall no longer be eligible or in good standing under the Securities Exchange Act of 1934, or other applicable statute or regulation, the Issuer shall appoint a successor Depositary with respect to such Global Security. If a successor Depositary for such Global Security is not appointed by the Issuer within 90 days after the Issuer receives notice or becomes aware of such ineligibility, the Issuer's election pursuant to Section 2.4(9) shall no longer be effective with respect to such Global Security and the Issuer will execute, and the Trustee, upon receipt of an Issuer order for the authentication and delivery of individual Securities of such series in exchange for such Global Security, will authenticate and deliver individual Securities of such series of like tenor and terms in a definitive form in an aggregate principal amount equal to the principal amount of the Global Security in exchange for such Global Security.

(ii) The Issuer may at any time and in its sole discretion determine that the Securities of any series issued or issuable in the form of one or more Global Securities shall no longer be represented by such Global Security or Securities. In such event the Issuer will execute, and the Trustee, upon receipt of an Issuer order for the authentication and delivery of individual Securities of such series in exchange in whole or in part for such Global Security, will authenticate and deliver individual Securities of such series of like tenor and terms in a definitive form in an aggregate principal amount equal to the principal amount of such Global Security or Securities representing such series in exchange for such Global Security or Securities.

(iii) If specified by the Issuer pursuant to Section 2.4 with respect to Securities issued or issuable in the form of a Global Security, the Depositary for such Global Security may surrender such Global Security in exchange in whole or in part for individual Securities of such series of like tenor and terms in definitive form on such terms as are acceptable to the Issuer and such Depositary. Thereupon the Issuer shall execute, and the Trustee shall authenticate and

deliver, without service charge, (1) to each Person specified by such Depository a new Security or Securities of the same series of like tenor and terms and of any authorized denomination as requested by such Person in aggregate principal amount equal to and in exchange for such person's beneficial interest in the Global Security; and (2) to such Depository a new Global Security of like tenor and terms and in a denomination equal to the difference, if any, between the principal amount of the surrendered Global Security and the aggregate principal amount of Securities delivered to Holders thereof.

(iv) In any exchange provided for in any of the preceding three paragraphs, the Issuer will execute, the Guarantors will endorse and the Trustee will authenticate and deliver individual Securities in definitive registered form in authorized denominations. Upon the exchange of a Global Security for individual Securities, such Global Security shall be canceled by the Trustee. Securities issued in exchange for a Global Security pursuant to this Section shall be registered in such names and in such authorized denominations as the Depository for such Global Security, pursuant to instructions from its direct or indirect participants or otherwise, shall instruct the Trustee. The Trustee shall deliver such Securities to the Persons in whose names such Securities are so registered.

**SECTION 2.14 CUSIP Numbers.** The Issuer in issuing the Securities may use "CUSIP" numbers (if then generally in use), and, if so, the Trustee shall use "CUSIP" numbers in notices of redemption as a convenience to Holders; provided that any such notice may state that no representation is made as to the correctness of such numbers either as printed on the Securities or as contained in any notice of a redemption and that reliance may be placed only on the other identification numbers printed on the Securities, and any such redemption shall not be affected by any defect in or omission of such numbers. The Issuer will promptly notify the Trustee of any change in the "CUSIP" numbers.

### ARTICLE THREE

#### COVENANTS OF THE ISSUER AND THE TRUSTEE

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**SECTION 3.1 Payment of Principal and Interest.** The Issuer covenants and agrees for the benefit of each series of Securities that it will duly and punctually pay or cause to be paid the principal of, and interest on, each of the Securities of such series at the place or places, at the respective times and in the manner provided in such Securities. Each installment of interest on the Securities of any series may be paid by mailing checks for such interest payable to or upon the written order of the holders of Securities entitled thereto as they shall appear on the registry books of the Issuer.

**SECTION 3.2 Offices for Payments, etc.** So long as any of the Securities remain outstanding, the Issuer will maintain in The Borough of Manhattan, The City of New York for each series: an office or agency (a) where the Securities may be presented for payment, (b) where the Securities may be presented for registration of transfer and for exchange as in this Indenture provided and (c) where notices and demands to or upon the Issuer in respect of the Securities or of this Indenture may be served. The Issuer will give to the Trustee written notice of the location of any such office or agency and of any change of location thereof. Unless otherwise specified in accordance with Section 2.4, the Issuer hereby initially designates the Corporate Trust Office of The Bank of New York, 101 Barclay Street, 21 W, New York, New York 10286, acting as the Issuer's agent, as the office to be maintained by it for each such purpose. In case the Issuer shall fail to so designate or maintain any such office or agency or shall fail to give such notice of the location or of any change in the location thereof, presentations and demands may be made and notices may be served at the Corporate Trust Office.

SECTION 3.3 Appointment to Fill a Vacancy in Office of Trustee. The Issuer, whenever necessary to avoid or fill a vacancy in the office of the Trustee, will appoint, in the manner provided in Section 5.9, a Trustee, so that there shall at all times be a Trustee with respect to each series of Securities hereunder.

SECTION 3.4 Paying Agent. Whenever the Issuer shall appoint a paying agent other than the Trustee with respect to the Securities of any series, it will cause such paying agent to execute and deliver to the Trustee an instrument in which such agent shall agree with the Trustee, subject to the provisions of this Section.

(a) that it will hold all sums received by it as such agent for the payment of the principal of or interest on the Securities of such series (whether such sums have been paid to it by the Issuer or by any other obligor on the Securities of such series) in trust for the benefit of the Holders of the Securities of such series or of the Trustee,

(b) that it will give the Trustee notice of any failure by the Issuer (or by any other obligor on the Securities of such series) to make any payment of the principal of or interest on the Securities of such series when the same shall be due and payable, and

(c) pay any such sums so held in trust by it to the Trustee upon the Trustee's written request at any time during the continuance of the failure referred to in clause (b) above.

The Issuer will, on or prior to each due date of the principal of or interest on the Securities of such series, deposit with the paying agent a sum sufficient to pay such principal or interest so becoming due, and (unless such paying agent is the Trustee) the Issuer will promptly notify the Trustee of any failure to take such action.

If the Issuer shall act as its own paying agent with respect to the Securities of any series, it will, on or before each due date of the principal of or interest on the Securities of such series, set aside, segregate and hold in trust for the benefit of the Holders of the Securities of such series a sum sufficient to pay such principal or interest so becoming due. The Issuer will promptly notify the Trustee of any failure to take such action.

Anything in this Section to the contrary notwithstanding, the Issuer may at any time, for the purpose of obtaining a satisfaction and discharge with respect to one or more or all series of Securities hereunder, or for any other reason, pay or cause to be paid to the Trustee all sums held in trust for any such series by the Issuer or any paying agent hereunder, as required by this Section, such sums to be held by the Trustee upon the trusts herein contained.

Anything in this Section to the contrary notwithstanding, the agreement to hold sums in trust as provided in this Section is subject to the provisions of Section 9.3 and 9.4.

SECTION 3.5 Certificate of the Issuer and the Guarantors. So long as any of the Securities remain outstanding, the Issuer, Tyco and any other Guarantor will furnish to the Trustee on or before March 31 in each year (beginning with 1999) a brief certificate (which need not comply with Section 10.5) executed by the principal executive, financial or accounting officer of each of the Issuer, Tyco and such Guarantor on their respective behalf as to his or her knowledge of the Issuer's, Tyco's and such Guarantor's, as the case may be, compliance with all covenants and agreements under the Indenture required to be complied with by the Issuer, Tyco and such Guarantor, respectively, (such compliance to be determined without regard to any

**SECTION 4.7 Unconditional Right of Securityholders to Institute Certain Suits.** Notwithstanding any other provision in this Indenture and any provision of any Security, the right of any Holder of any Security to receive payment of the principal of and interest on such Security on or after the respective due dates expressed in such Security, or to institute suit for the enforcement of any such payment on or after such respective dates, shall not be impaired or affected without the consent of such Holder.

**SECTION 4.8 Powers and Remedies Cumulative; Delay or Omission Not Waiver of Default.** Except as provided in Section 4.6, no right or remedy herein conferred upon or reserved to the Trustee or to the Securityholders is intended to be exclusive of any other right or remedy, and every right and remedy shall, to the extent permitted by law, be cumulative and in addition to every other right and remedy given hereunder or now or hereafter existing at law or in equity or otherwise. The assertion or employment of any right or remedy hereunder, or otherwise, shall not prevent the concurrent assertion or employment of any other appropriate right or remedy.

No delay or omission of the Trustee or of any Securityholder to exercise any right or power accruing upon any Event of Default occurring and continuing as aforesaid shall impair any such right or power or shall be construed to be a waiver of any such Event of Default or an acquiescence therein; and, subject to Section 4.6, every power and remedy given by this Indenture or by law to the Trustee or to the Securityholders may be exercised from time to time, and as often as shall be deemed expedient, by the Trustee or by the Securityholders.

**SECTION 4.9 Control by Securityholders.** The Holders of a majority in aggregate principal amount of the Securities of each series affected (with each series voting as a separate class) at the time Outstanding shall have the right to direct the time, method, and place of conducting any proceeding for any remedy available to the Trustee, or exercising any trust or power conferred on the Trustee with respect to the Securities of such series by this Indenture; provided that such direction shall not be otherwise than in accordance with law and the provisions of this Indenture and provided further that (subject to the provisions of Section 5.1) the Trustee shall have the right to decline to follow any such direction if the Trustee, being advised by counsel, shall determine that the action or proceeding so directed may not lawfully be taken or if the Trustee in good faith by its board of directors, the executive committee, or a trust committee of directors or Responsible Officers of the Trustee shall determine that the action or proceedings so directed would involve the Trustee in personal liability or if the Trustee in good faith shall so determine that the actions or forebearances specified in or pursuant to such direction would be unduly prejudicial to the interests of Holders of the Securities of all series so affected not joining in the giving of said direction, it being understood that (subject to Section 5.1) the Trustee shall have no duty to ascertain whether or not such actions or forebearances are unduly prejudicial to such Holders.

Nothing in this Indenture shall impair the right of the Trustee in its discretion to take any action deemed proper by the Trustee and which is not inconsistent with such direction or directions by Securityholders.

**SECTION 4.10 Waiver of Past Defaults.** Prior to a declaration of the acceleration of the maturity of the Securities of any series as provided in Section 4.1, the Holders of a majority in aggregate principal amount of the Securities of such series at the time Outstanding (each such series voting as a separate class) may on behalf of the Holders of all the Securities of such series waive any past default or Event of Default described in clause (d) or (i) of Section 4.1 which relates to less than all series of Securities then Outstanding, except a default in respect of a covenant or provision hereof which cannot be modified or amended without the consent of each

(g) the Trustee may execute any of the trusts or powers hereunder or perform any duties hereunder either directly or by or through agents or attorneys not regularly in its employ and the Trustee shall not be responsible for any misconduct or negligence on the part of any such agent or attorney appointed with due care by it hereunder.

(h) the Trustee shall not be deemed to have notice of any Default or Event of Default unless a Responsible Officer of the Trustee has actual knowledge thereof or unless written notice of any event which is in fact such a default is received by the Trustee at the Corporate Trust Office of the Trustee, and such notice references the Securities, this Indenture or other information related to the Securities.

**SECTION 5.3 Trustee Not Responsible for Recitals, Disposition of Securities or Application of Proceeds Thereof.** The recitals contained herein and in the Securities, except the Trustee's certificates of authentication, shall be taken as the statements of the Issuer, and the Trustee assumes no responsibility for the correctness of the same. The Trustee makes no representation as to the validity or sufficiency of this Indenture or of the Securities. The Trustee shall not be accountable for the use or application by the Issuer of any of the Securities or of the proceeds thereof.

**SECTION 5.4 Trustee and Agents May Hold Securities; Collections, etc.** The Trustee or any agent of the Issuer, Tyco, any other Guarantor or the Trustee, in its individual or any other capacity, may become the owner or pledgee of Securities with the same rights it would have if it were not the Trustee or such agent and may otherwise deal with the Issuer, Tyco or such Guarantor and receive, collect, hold and retain collections from the Issuer, Tyco or such Guarantor with the same rights it would have if it were not the Trustee or such agent.

**SECTION 5.5 Moneys Held by Trustee.** Subject to the provisions of Section 9.8 hereof, all moneys received by the Trustee shall, until used or applied as herein provided, be held in trust for the purposes for which they were received, but need not be segregated from other funds except to the extent required by mandatory provisions of law. Neither the Trustee nor any agent of the Issuer or the Trustee shall be under any liability for interest on any moneys received by it hereunder.

**SECTION 5.6 Compensation and Indemnification of Trustee and Its Prior Claim.** The Issuer covenants and agrees to pay to the Trustee from time to time, and the Trustee shall be entitled to, reasonable compensation (which shall not be limited by any provision of law in regard to the compensation of a trustee of an express trust) and the Issuer covenants and agrees to pay or reimburse the Trustee and each predecessor Trustee upon its request for all reasonable expenses, disbursements and advances incurred or made by or on behalf of it in accordance with any of the provisions of this Indenture (including the reasonable compensation and the expenses and disbursements of its counsel and of all agents and other persons not regularly in its employ) except to the extent any such expense, disbursement or advance may arise from its negligence or bad faith. The Issuer also covenants to indemnify the Trustee, its agents and each predecessor trustee for, and to hold it harmless against, any loss, liability or expense arising out of or in connection with the acceptance or administration of this Indenture or the trusts hereunder and the performance of its duties hereunder, including the costs and expenses of defending itself against or investigating any claim of liability in the premises, except to the extent such loss, liability or expense is due to the negligence or bad faith of the Trustee, agent or such predecessor trustee. The obligations of the Issuer under this Section to compensate and indemnify the Trustee, its agents and each predecessor trustee and to pay or reimburse the Trustee and each predecessor trustee for expenses, disbursements and advances shall constitute additional indebtedness hereunder and shall survive the satisfaction and discharge of this Indenture. Such additional

indebtedness shall be a lien senior to that of the Securities upon all property and funds held or collected by the Trustee as such, except funds held in trust for the benefit of the holders of particular Securities, and the Securities are hereby subordinated to such lien.

SECTION 5.7 Right of Trustee to Rely on Officers' Certificate, etc. Subject to Sections 5.1 and 5.2, whenever in the administration of the trusts of this Indenture the Trustee shall deem it necessary or desirable that a matter be proved or established prior to taking or suffering or omitting any action hereunder, such matter (unless other evidence in respect thereof be herein specifically prescribed) may, in the absence of negligence or bad faith on the part of the Trustee, be deemed to be conclusively proved and established by an Officers' Certificate delivered to the Trustee, and such certificate, in the absence of negligence or bad faith on the part of the Trustee, shall be full warrant to the Trustee for any action taken, suffered or omitted by it under the provisions of this Indenture upon the faith thereof.

SECTION 5.8 Persons Eligible for Appointment as Trustee. The Trustee for each series of Securities hereunder shall at all times be a corporation or national banking association having a combined capital and surplus of at least \$50,000,000, and which is eligible in accordance with the provisions of Section 310(a) of the Trust Indenture Act of 1939. If such corporation or national banking association publishes reports of condition at least annually, pursuant to law or to the requirements of a Federal, State or District of Columbia supervising or examining authority, then for the purposes of this Section, the combined capital and surplus of such corporation shall be deemed to be its combined capital and surplus as set forth in its most recent report of condition so published.

SECTION 5.9 Resignation and Removal; Appointment of Successor Trustee. (a) The Trustee, or any trustee or trustees hereafter appointed, may at any time resign with respect to one or more or all series of Securities by giving written notice of resignation to the Issuer and by mailing notice thereof by first class mail to Holders of the applicable series of Securities at their last addresses as they shall appear on the Security register. Upon receiving such notice of resignation, the Issuer shall promptly appoint a successor trustee or trustees with respect to the applicable series by written instrument in duplicate, executed by authority of the Board of Directors of the Issuer, one copy of which instrument shall be delivered to the resigning Trustee and one copy to the successor trustee or trustees. If no successor trustee shall have been so appointed with respect to any series and have accepted appointment within 30 days after the mailing of such notice of resignation, the resigning trustee may petition any court of competent jurisdiction for the appointment of a successor trustee, or any Securityholder who has been a bona fide Holder of a Security or Securities of the applicable series for at least six months may, subject to the provisions of Section 4.12, on behalf of himself and all others similarly situated, petition any such court for the appointment of a successor trustee. Such court may thereupon, after such notice, if any, as it may deem proper and prescribe, appoint a successor trustee.

(b) In case at any time any of the following shall occur:

(i) the Trustee shall fail to comply with the provisions of Section 310(b) of the Trust Indenture Act of 1939 with respect to any series of Securities after written request therefor by the Issuer or by any Securityholder who has been a bona fide Holder of a Security or Securities of such series for at least six months; or

(ii) the Trustee shall cease to be eligible in accordance with the provisions of Section 310(a) of the Trust Indenture Act of 1939 and shall fail to resign after written request therefor by the Issuer or by any Securityholder; or

SECTION 6.2 Proof of Execution of Instruments and of Holding of Securities; Record Date. Subject to Sections 5.1 and 5.2, the execution of any instrument by a Securityholder or his agent or proxy may be proved in accordance with such reasonable rules and regulations as may be prescribed by the Trustee or in such manner as shall be satisfactory to the Trustee. The holding of Securities shall be proved by the Security register or by a certificate of the registrar thereof. The Issuer may set a record date for purposes of determining the identity of holders of Securities of any series entitled to vote or consent to any action referred to in Section 6.1, which record date may be set at any time or from time to time by notice to the Trustee, for any date or dates (in the case of any adjournment or reconsideration) not more than 60 days nor less than five days prior to the proposed date of such vote or consent, and thereafter, notwithstanding any other provisions hereof, only Holders of Securities of such series of record on such record date shall be entitled to so vote or give such consent or revoke such vote or consent.

SECTION 6.3 Holders to be Treated as Owners. The Issuer, Tyco, any other Guarantor, the Trustee and any agent of the Issuer, Tyco, such Guarantor or the Trustee may deem and treat the Person in whose name any Security shall be registered upon the Security register for such series as the absolute owner of such Security (whether or not such Security shall be overdue and notwithstanding any notation of ownership or other writing thereon) for the purpose of receiving payment of or on account of the principal of and, subject to the provisions of this Indenture, interest on such Security and for all other purposes; and none of the Issuer, Tyco, such Guarantor or the Trustee or any agent of the Issuer, Tyco, such Guarantor or the Trustee shall be affected by any notice to the contrary. All such payments so made to any such Person, or upon his order, shall be valid, and, to the extent of the sum or sums so paid, effectual to satisfy and discharge the liability for moneys payable upon any such Security.

SECTION 6.4 Securities Owned by Issuer Deemed Not Outstanding. In determining whether the Holders of the requisite aggregate principal amount of Outstanding Securities of any or all series have concurred in any direction, consent or waiver under this Indenture, Securities which are owned by the Issuer, Tyco, any other Guarantor, or any other obligor on the Securities with respect to which such determination is being made or by any Person directly or indirectly controlling or controlled by or under direct or indirect common control with the Issuer, Tyco, such Guarantor or any other obligor on the Securities with respect to which such determination is being made shall be disregarded and deemed not to be Outstanding for the purpose of any such determination, except that for the purpose of determining whether the Trustee shall be protected in relying on any such direction, consent or waiver only Securities which the Trustee knows are so owned shall be so disregarded. Securities so owned which have been pledged in good faith may be regarded as outstanding if the pledgee establishes to the satisfaction of the Trustee the pledgee's right so to act with respect to such Securities and that the pledgee is not the Issuer, Tyco, such Guarantor or any other obligor upon the Securities or any person directly or indirectly controlling or controlled by or under direct or indirect common control with the Issuer, Tyco, such Guarantor or any other obligor on the Securities. In case of a dispute as to such right, the advice of counsel shall be full protection in respect of any decision made by the Trustee in accordance with such advice. Upon request of the Trustee, the Issuer, Tyco or such Guarantor shall furnish to the Trustee promptly an Officers' Certificate listing and identifying all Securities, if any, known by the Issuer, Tyco or such Guarantor to be owned or held by or for the account of any of the above-described Persons; and, subject to Sections 5.1 and 5.2, the Trustee shall be entitled to accept such Officers' Certificate as conclusive evidence of the facts therein set forth and of the fact that all Securities not listed therein are Outstanding for the purpose of any such determination.

SECTION 6.5 Right of Revocation of Action Taken. At any time prior to (but